



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D3150-1
Job Sheet 169049



Part No: D3150-1

Job Qty: 5 ea

Part Name: Guide



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 11/29/17

Job Tracking No:

Due Date: 12/27/17

Created By: Mario Poulin

Type: SOLD

Description:

Customer: Rotorcraft Services Group Inc - RSG (CTEXA02)

Attention: Accounts Payable, 3901 N Main Street Fort Worth, TX, 76106 USA ph:(817) 625-8028

Note: DWG REV C IPP REV:A NEW ISSUE 10-09-24 JLM VERIFIED BY:DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	5 Ea		12/26/17	0.00	0.00	Start Up Waterjet		de 17/12/12
100	Waterjet	5 pcs		12/26/17	0.00	0.38	Waterjet1		de 17/12/12
120	QC	5 pcs		12/26/17	0.00	0.00	QC8		38
130	Small Fab	5 pcs		12/27/17	0.00	0.37	Small Fab-2		38 DAS
140	QC	5 pcs		12/27/17	0.00	0.00	QC5		38
150	Packaging	5 pcs		12/27/17	0.00	0.00	Packaging3	SRL	4-88
160	QC21-SA	5 Ea		12/27/17	0.00	0.00	QC21		4-88

Part Op 100 - CUT AS PER DWG PROG REV

Descriptions: 130 - COUNTER SINK AS PER DWG

DEC 20 2017

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
90-Start up Operation	M304S11GA	0	101	0	0

Part Specifications

Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	Guide	0.194inches + 0.005 - 0.001	0.199 0.193		
2	Guide	0.300inches ± 0.030	0.330 0.270		
3	Guide	4.290inches ± 0.030	4.320 4.260		
4	Guide	3.700inches ± 0.010	3.710 3.690		
5	Guide	0.500inches ± 0.030	0.530 0.470		
6	Guide	0.338inches ± 0.010	0.348 0.328		
7	Guide	0.560inches ± 0.010	0.570 0.550		
8	Guide	1.950inches ± 0.010	1.960		

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		STATEMENT/PROCESS Skid _____ Mac _____ Thermofc _____ Lar _____ QT _____ Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 CANADA TEL: 1 613 632-5200 Email: sales@dartaero.com www.dartaerospace.com					
Date : _____		Step #: _____		Mfg Date: 12/12/17 Job No: 169049					
Description Work Order Deviation									
Root Cause <table style="width:100%; font-size: x-small;"> <tr> <td style="width:50%;"> Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ </td> <td style="width:50%;"> No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐ </td> </tr> </table>		Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	<table style="width:100%; font-size: x-small;"> <tr> <td style="width:50%;"> Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ </td> <td style="width:50%;"> Temp ☐ Set-t ☐ BON ☐ Brof ☐ Insp ☐ Cor ☐ Co ☐ Cut too slow ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ </td> </tr> </table>		Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temp ☐ Set-t ☐ BON ☐ Brof ☐ Insp ☐ Cor ☐ Co ☐ Cut too slow ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	PART NO: Revision: Operation: Change No:	
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OTHER : _____		Misaligned/off center ☐		Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐					

				1.940
9	Guide	0.680inches $\pm$ 0.030	0.710	0.650
10	Guide	0.125inches $\pm$ 0.010	0.135	0.115

Plex 11/29/17 3:56 PM dart.poulin.mario

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed:

Date:

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QS1042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
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